

## Patent Abstracts of Japan

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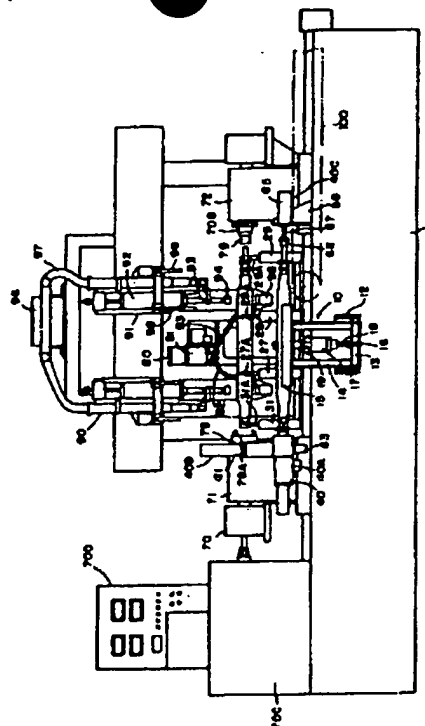
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TITLE : BALANCE TESTER



**ABSTRACT :** PURPOSE: To conduct the measurement and correction of dynamic unbalance of a shaftlike member automatically and with a high accuracy, by using a vibration table device and a correcting piece supplying device, etc.

CONSTITUTION: The vibration table device 70, which is composed of a chucking mechanism 70B consisting of shifting tables 71 and 72 etc., piece supplying device 80 composed of a piece supplying section 81, etc., and a welding device 90 consisting of top and bottom electrodes 94 and 95 are all assembled to a position setting device 40 composed of a loading device 10, which is consisting of a receiver 15, a swinging cylinder 17 and swinging arms 27 and 28, etc., a position correcting mechanism 40A and a pressing device 40C, etc. In thus designed mechanism, the shaftlike member having been sent by the loading device 10 to the position setting location is corrected its position to the standard position in its axial and diametrical direction, and then, it is chucked by the vibration table device 70 for detection of dynamic unbalance, and correction weight pieces are supplied in accordance with amount of thus detected dynamic unbalance, and thus supplied correction weight pieces are welded to the shaftlike member.

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